

CELL ANALOGY PROJECT

Objective: SC.BIO.55

Students will demonstrate an understanding that all organisms are composed of cells that can function independently or as part of multicellular organisms.

Students will demonstrate this goal by completing a cell analogy project.

Materials:

1. 'Cell Parts' matching worksheet
2. 'Mapping Cell Parts and Functions' worksheet
3. handouts for cell analogy project: project guidelines page, analogy example page, graphic organizer page
4. tag board and brad fasteners for cell catalogue

Agenda:

1. Warm up: 'Cell Parts' worksheet
2. Review cell parts and their functions
3. Introduce cell project to students
4. Closure

Warm-up: On 'Cell Parts' matching worksheet, students will match cell parts definitions with the correct terms.

Direct Instruction: 1. Discussion of matching worksheet.

2. Teacher will introduce 'Cell Analogy Catalogue' project to students. After distributing handouts, teacher will explain the purpose of the project, guidelines and expectations and format. Review of project will follow at closure.

3. Teacher will review with students cell parts and their functions, using

‘Mapping Cell Parts and Functions’ worksheet. Students study a diagram of a plant cell and an animal cell. Directions are to choose appropriate cell functions from a list and write them below the name of the cell parts. Teacher will model for students two cell parts; one animal and one plant.

Guided Practice: With teacher support, students will begin ‘Mapping Cell Parts and Functions’ worksheet. Teacher circulates to answer questions and to make sure students are correctly completing assignment.

Independent Practice: Students will complete ‘Mapping Cell Parts and Functions’ worksheet, independently.

Closure: Teacher will review worksheet with students and answer questions; review guidelines for ‘Cell Analogy’ catalogue/project.

Assessment: 1. Completed ‘Mapping Cell Parts and Functions’ worksheet
2. Completed Cell Analogy Project.